

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	101384-22
First Inventor	Kirk E. Vandezande
Title	Hierarchical optimization for procedural effectiveness
Express Mail Label	EV 328769057 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17) *(Submit an original, and a duplicate for fee processing)*
2.  Applicant claims small entity status. *See 37 CFR 1.27.*
3.  Specification *[Total Pages 48]*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) *[Total Sheets 6]*
5. Oath or Declaration *[Total Pages 3]*
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional with Box 18 completed)*
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)    of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/>	Customer Number:	27388	or	<input type="checkbox"/> Correspondence address below
Name				
Address				
City		State		Zip Code
Country		Telephone		Fax

Name (Print/Type)	Christa Hildebrand	Registration No. (Attorney/Agent)	34,953
Signature	<i>Christa Hildebrand</i>	Date	July 29, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

17513 U.S.P.T.O.  
10/629380

07/29/03

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known	
Application Number	To be assigned
Filing Date	Currently herewith
First Named Inventor	Kirk E. Vandezande
Examiner Name	To be assigned
Group Art Unit	To be assigned
Attorney Docket No.	101384-22

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None  
 Deposit Account:

Deposit Account Number **14-1263**

Deposit Account Name **Norris, McLaughlin & Marcus**

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	<b>375.00</b>
1002	330	2002	165	Design filing	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)				(\$)	<b>\$375.00</b>

## 2. EXTRA CLAIM FEES FOR UTILITY AND

	Extra Claims	Fee from below	Fee Paid
Total Claims	19 -20** = 0	X 9.00 = 0.00	
Independent Claims	S - 3** = 2	X 42.00 = 84.00	
Multiple Dependent		140.00 = 140.00	

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)				(\$)	<b>\$224.00</b>

\*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES	Large Entity	Small Entity	Fee Description	Fee Paid
1051	130	2051	65 Surcharge - late filing fee or oath	
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130 Non - English specification	
1812	2,520	1812	2,520 For filing a request for ex parte reexamination	
1804	920*	1804	920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action	
1251	110	2251	55 Extension for reply within first month	
1252	410	2252	205 Extension for reply within second month	
1253	930	2253	465 Extension for reply within third month	
1254	1,450	2254	725 Extension for reply within fourth month	
1255	1,970	2255	985 Extension for reply within fifth month	
1401	320	2401	160 Notice of Appeal	
1402	320	2402	160 Filing a brief in support of an appeal	
1403	280	2403	140 Request for oral hearing	
1451	1,510	1451	1,510 Petition to institute a public use proceeding	
1452	110	2452	55 Petition to revive - unavoidable	
1453	1,300	2453	650 Petition to revive - unintentional	
1501	1,300	2501	650 Utility issue fee (or reissue)	
1502	470	2502	235 Design issue fee	
1503	630	2503	315 Plant issue fee	
1460	130	1460	130 Petitions to the Commissioner	
1807	50	1807	50 Processing fee under 37 CFR § 1.17(q)	
1806	180	1806	180 Submission of Information Disclosure Statement	
8021	40	8021	40 Recording each patent assignment per property (times number of properties)	
1809	750	2809	375 Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375 For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375 Request for Continued Examination (RCE)	
1802	900	1802	900 Request for expedited examination of a design application	
Other fee (specify) _____				

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

SUBMITTED BY		Complete if applicable		
Name (Print/Type)	Christa Hildebrand	Registration No. (Attorney/Agent)	34,953	Telephone 212-808-0700
Signature	<i>Christa Hildebrand</i>	Date	July 29, 2003	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Applicant(s): Kirk E. Vandezande

Title: **Hierarchical optimization for procedural effectiveness**

Serial no.: to be assigned

Filed: Currently herewith

**EXPRESS MAIL CERTIFICATE**

Express Mail Label No. EV 328769057 US

Date of Deposit: July 29, 2003

I hereby certify that the following items:

1. Utility Patent Application Transmittal Form
2. Fee Transmittal – in duplicate
3. Specification (48 pages)
4. Combination Declaration and Power of Attorney
5. Information Disclosure Statement
6. PTO Form 1449 citing and including 26 references
7. Application Data Sheet
8. Return Receipt Postcard

are being deposited with the United States Postal Services Express Mail Post Office to Addressee service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

NORRIS, McLAUGHLIN & MARCUS, P.A.

By Jennifer Connington  
Jennifer Connington

**PATENTS**

**CERTIFICATE OF EXPRESS MAIL**

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date below.

*Jennifer Connington*

07/29/2003

Date

Express Mail Label EV 328769057 US

PLEASE CHARGE ANY DEFICIENCIES UP TO \$300  
OR CREDIT ANY EXCESS IN THE  
FEES DUE WITH THIS DOCUMENT TO OUR  
DEPOSIT ACCOUNT No. 14-1263

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No.	:	to be assigned	Confirmation No.	to be assigned
Applicant	:	Kirk E. Vandezande		
Filed	:	Currently herewith		
TC/A.U.	:	to be assigned		
Examiner	:	to be assigned		
 -----				
Docket No.	:	101384-22		
Customer No.	:	27388		

Mail Stop Patent Application  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL OF FORMAL DRAWINGS**

Sir:

Submitted herewith for entry and approval are six (6) sheets of formal drawings (Figs. 1-6) in the above-referenced application. Each sheet of drawing indicates the identifying indica suggested in 37 CFR § 1.84(c) on the reverse side of the drawing.

Respectfully submitted,  
NORRIS, McLAUGHLIN & MARCUS, P.A.

By *Christa Hildebrand*  
Christa Hildebrand  
Attorney for Applicant(s)  
Reg. No. 34,953

Norris McLaughlin & Marcus, P.A.  
220 East 42<sup>nd</sup> Street – 30<sup>th</sup> Floor  
New York, NY 10017  
Telephone: 212-808-0700